

Converting Colors

XYZ(33.4753, 16.3482, 42.6346)

Have a look what the booklet for
XYZ(33.4753, 16.3482, 42.6346)
contains.

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Color

**XYZ(33.5686, 16.4000,
42.4705)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00B0
RGB	207, 0, 176
RGB Percent	81%, 0%, 69%
CMY	0.1882, 0.9999, 0.3098
CMYK	0.00, 1.00, 0.15, 0.19
HSL	309°, 100%, 41%
HSV	309°, 100%, 81%
XYZ	33.5686, 16.4000, 42.4705
YIQ	81.9570, 66.8760, 98.6200

Conversions

Conversions Part 2

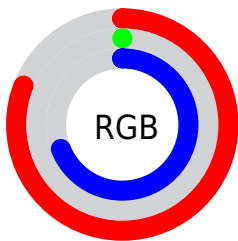
Format	Color
R_{YB}	207, 0, 176
Decimal	13566128
CIE _{Lab}	47.49, 79.74, -36.66
CIE _{LCh}	47, 87.765, 335.313
Yxy	16.4000, 0.3631, 0.1774
Android (android.graphics.Color)	4291756208 (0xFFCF00B0)
YUV	81.9570, 46.3632, 109.6627
Hunter-Lab	40.4969, 77.0922, -33.8316

Details

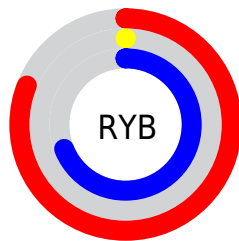
The XYZ color **33.5686, 16.4000, 42.4705** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.5612, 44.7253, 8.7425**, and the grayscale version is **7.9162, 8.3284, 9.0697**.

A 20% lighter version of the original color is **59.6326, 34.7405, 79.9065**, and **15.7879, 7.7260, 19.3980** is the 20% darker color. If you saturate the color by 10%, you get **33.5683, 16.3999, 42.4680**, and if you desaturate by 10%, it is **34.1425, 17.0509, 44.1929**.

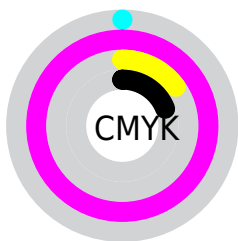
Distribution



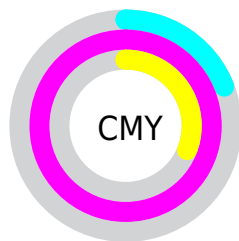
- Red (81%)
- Green (0%)
- Blue (69%)



- Red (81%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5686, 16.4000, 42.4705 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.5686, 16.4000, 42.4705 by changing the saturation by 10% instead.

 33.5686, 16.4000,
42.4705

 33.5686, 16.4000,
42.4705

309.8240,
231.6906, 372.2867


 22.7237, 9.8076,
29.1416


 64.6110, 37.2912,
80.1890

 14.5092, 5.2716,
18.9414


 85.5392, 52.3589,
105.4156


 8.5597, 2.4075,
11.4516


 110.5592, 71.0205,
135.4452

 4.5099, 0.8297,
6.2535

 140.0364, 93.6604,
170.6963

 1.9945, 0.0000,
2.9285

 174.3362,
120.6629, 211.5875

 0.6309, 0.0000,
1.0583

 213.8238,

 0.0000, 0.0000,

152.4125, 258.5372

0.0000

258.8646,
189.2936, 311.9641

■ 33.5686, 16.4000,
42.4705

■ 33.5686, 16.4000,
42.4705

■ 33.5683, 16.3999,
42.4680

■ 34.1425, 17.0509,
44.1929

■ 35.0047, 18.2673,
46.0461

■ 36.2511, 20.2409,
48.0625

■ 37.9335, 23.0749,
50.2593

■ 40.0953, 26.8564,
52.6515

■ 42.7749, 31.6618,
55.2519

■ 46.0067, 37.5598,
58.0723

■ 49.8218, 44.6131,
61.1233

■ 54.2495, 52.8795,
64.4147

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.9621, 16.4000, 80.8273



33.5686, 16.4000, 42.4705



35.7942, 16.4000, 14.1679

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.5686, 16.4000, 42.4705



14.2400, 16.4000, 0.0000



6.2737, 16.4000, 55.9636

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.5686, 16.4000, 42.4705



22.5612, 44.7253, 8.7425

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.9164, 16.4000, 22.1361



33.5686, 16.4000, 42.4705



8.4269, 16.4000, 0.7181

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.5686, 16.4000, 42.4705



22.7272, 16.4000, 0.1499



5.5468, 16.4000, 5.2552



10.1259, 16.4000, 92.2048

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.5686, 16.4000, 42.4705



33.4532, 16.4000, 5.0693



5.5468, 16.4000, 5.2552



5.5817, 16.4000, 43.2329

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.5692, 16.4008, 42.4708



73.5196, 59.8040, 92.8918



11.7318, 4.7475, 59.3300



15.2425, 11.8962, 19.4616



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5692, 16.4008, 42.4708



53.7390, 26.2596, 67.7489



27.0345, 13.7870, 8.0595



12.2315, 11.9773, 14.4949



21.1772, 10.3437, 26.9032



1.2053, 0.5868, 1.6157

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.5692, 16.4008, 42.4708



53.7390, 26.2596, 67.7489



26.4178, 46.2680, 29.0511



12.2315, 11.9773, 14.4949



21.1772, 10.3437, 26.9032



1.2053, 0.5868, 1.6157

Previews

White Background



This preview shows how the XYZ color 33.5686, 16.4000, 42.4705 looks on a white background.

Color Contrast Check

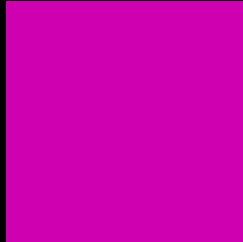
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5686, 16.4000, 42.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5686, 16.4000, 42.4705

Background



This preview shows how black text looks on a background with the XYZ color 33.5686, 16.4000, 42.4705.



This preview shows how white text looks on a background with the XYZ color 33.5686, 16.4000,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.5686, 16.4000, 42.4705

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.5282, 17.1841, 37.9903



Tritanopia

26.6194, 16.7430, 8.1321

Trichromacy



Original Color

33.5686, 16.4000, 42.4705



Protanomaly

17.2925, 10.8574, 64.8026



Deuteranomaly

19.6973, 12.8639, 38.9809



Tritanomaly

27.8025, 15.3447, 16.2483

Monochromacy



Original Color

33.5686, 16.4000, 42.4705



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1328, 8.2290, 17.4192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5686, 16.4000, 42.4705 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(207, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 176)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(207, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.5686, 16.4000, 42.4705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 0, 176) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(207, 0, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(207, 0, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5686, 16.4000, 42.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 176) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(207, 0,  
176) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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